

ABSTRACT OF THE DISCLOSURE

A method of cleaning debris from a string of production tubing in a well enables removal without pulling the string of rods that extend through the tubing. A rotary pump is suspended to a lower end of the tubing for pumping well fluid through the tubing to a wellhead at the surface. A motor assembly at the surface rotates the rods to drive the pump. A closure member is placed on a lower end of an elastomeric hose that will open when a selected level of internal fluid pressure is applied. The operator applies internal pressure to the hose at a pressure less than the selected level to increase rigidity of the hose. The operator inserts the hose through a port in a sidewall of the wellhead, the hose deflecting downward and into the tubing. At a desired point, the operator increases the internal pressure in the hose to open the closure member, then discharges a cleansing fluid into the tubing, which flows back up the tubing along with debris.